

## CAFO WPDES Compliance Report (07-21-14)



Inspection date: 07-10-14

Inspection type: Compliance, follow-up

Operation Name: New Horizons Dairy LLC

WPDES Permit No. WI-0063428-02-0

Operation Address: 4240 Rosin Rd. De Pere, WI

Report Writer, DNR Staff: Ben Uvaas, Agricultural Runoff Management Specialist

### Summary of Inspection

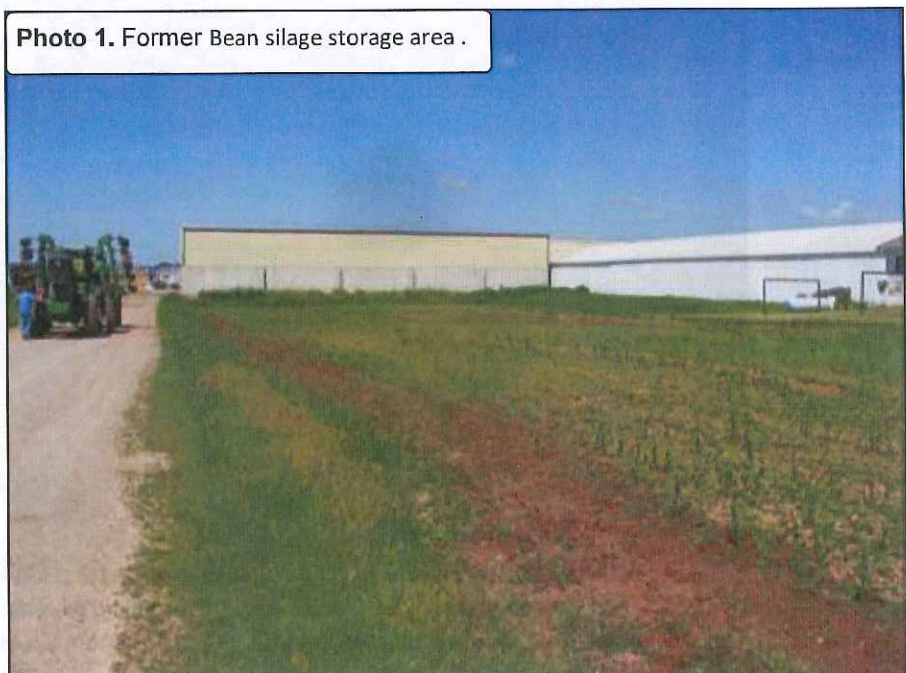
On July 10, 2014 Uvaas conducted a partial inspection of the New Horizons facility as a follow-up to the inspection led by Cheryl Burdett and Ben Atkinson (U.S. EPA) on April 29, 2014. David Van De Hey (owner/operator) accompanied Uvaas on most of the inspection. Uvaas arrived onsite at 10:50AM and departed by 11:10AM.

Feed Storage and Leachate Collection— Bean silage stored in grassy area along southern border of production area had been removed and the area had been cropped (Photo 1). Van De Hey stated that this silage was fed out less than a week after the April inspection. Plastic-covered hay previously observed along the railroad tracks had also been removed or feed out (photo 2). No runoff was apparent from these areas.

Uvaas informed Van De Hey that permanent storage and a feed leachate collection system may be required as an outcome of the April U.S. EPA inspection. Van De Hey explained to Uvaas that he has plans to construct a vegetated treatment area (VTA) system for feed leachate, and asked if he should hold off until receipt of the U.S. EPA inspection report. Uvaas agreed that this approach would be best, to ensure that leachate collection/treatment controls installed would be consistent with any U.S. EPA specifications.

Some nutrient burn of vegetation was observed from the south east corner of the feed storage pad leading to the grassed waterway (photos 3-4). No signs of vegetation burn-out were seen in the grassed waterway.

Photo 1. Former Bean silage storage area .







**Photo 2.** Former plastic-covered hay storage area.



**Photo 3.** Nutrient burn path from feed storage pad leading to grassed waterway. Foreground, shredded bark was placed up gradient of all nutrient burn paths by Van De Hey to aid in nutrient absorption.





**Photo 4.** Close-up of Nutrient burn path from feed storage pad leading to grassed waterway.

Bedpack Stacking— Solid manure was being removed from the stacking area east of the calf barn at the time of the inspection (Photo 5). Van De Hey stated that the solid manure here was removed shortly after the inspection, and that manure being removed today will be stockpiled in an empty feed bunker to be applied to 2nd cut hay within the week. Uvaas noted that solid manure looked different today than during the April inspection (less fungal growth or more straw?). Van De Hey also noted that additional concrete chunks had been added around the perimeter of the stacking area to help retain manure as an interim measure.

Uvaas informed Van De Hey that permanent improvements may be required as an outcome of the April U.S. EPA inspection in order to continue to stack solid manure here.





**Photo 5.** Solid manure being removed from the stacking area east of the calf barn.



**Photo 6.** Close-up of concrete chunk interim containment measure.